

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 September 2005 (29.09.2005)

PCT

(10) International Publication Number
WO 2005/090154 A1

(51) International Patent Classification⁷: **B64B 1/58**

(21) International Application Number:
PCT/HU2005/000027

(22) International Filing Date: 11 March 2005 (11.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P0400618 19 March 2004 (19.03.2004) HU
P0500289 10 March 2005 (10.03.2005) HU

(71) Applicant and
(72) Inventor: NEHÉZ, Imre [HU/HU]; Korona u. 16.,
H-8500 Pápa (HU).

(74) Agent: VARGA, Tamás, Péter; Bertalan L. u. 20. fsz.
3/A, H-1111 Budapest (HU).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

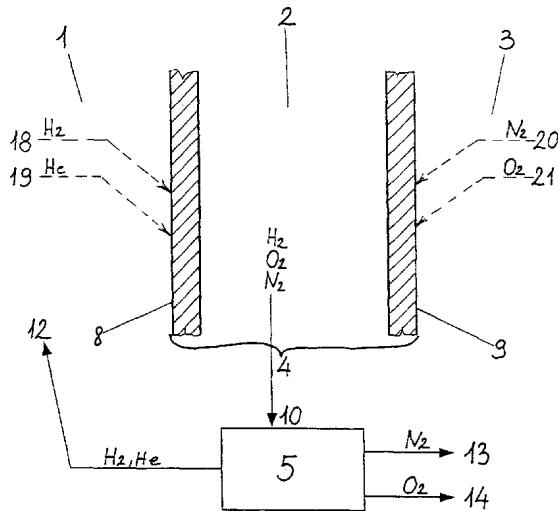
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND SYSTEM FOR HANDLING GAS DIFFUSION THROUGH THE ENVELOPES OF AIRSHIPS AND BALLOONS



(57) Abstract: The subject of the invention is method and envelope structure for handling gas diffusion of airships and other balloons to significantly decrease, respectively fully eliminate envelope diffusion of gases through envelopes of airships and other balloons. During the method according to the invention the gases diffused through the envelope (8, 9) of airships and other balloons are collected into a separator space (2). These gases are separated from the mixture of this separator space by physical and/or chemical action and forwarded back to their sources. The invention is further an envelope structure for handling gas diffusion of airships and other balloons for applying methods according to the invention.

WO 2005/090154 A1